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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,459	08/20/2003	Manish Rathi	2717P100	8009
	7590 03/20/200 KOLOFF TAYLOR &	EXAMINER		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/645,459	RATHI ET AL.			
Office Action Summary	Examiner	Art Unit			
	TECHANE J. GERGISO	2137			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b)	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	l. lely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 10/18 This action is FINAL . 2b) ☐ This Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. ace except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-16,18,19 and 21-25 is/are pending in 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-16,18,19 and 21-25 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers	vn from consideration.				
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the office of the oath or declaration is objected to by the Examiner.	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 12/18/2007.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te			

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DETAILED ACTION

1. This is a Final Office Action in response to the applicant's communication filed on

December 18, 2007.

2. Claims 1-16, 18-19 and 21-25 have been examined and are pending.

Response to Arguments

Applicant's arguments filed on December 18, 2007 have been fully considered but they 3.

are not persuasive.

The applicant argues that "Causing a switch "to block network traffic" in response to a

"failed authentication" is not the same as "sending an unblock port command .when the

authentication routine results in a positive authentication response. Indeed, Droms provides

functionality that is essentially opposite of the embodiment Applicants recite in claim 1, and thus

does not disclose the limitation "sending an unblock port command ... when the authentication

routine results in a positive authentication response."

The examiner disagrees with the applicant's analysis because Droms teaches "sending an

unblock port command" recited in the following section with emphasis added in bold and italics.

(Column 2: lines 20-37)

The information sent by the supplicant might be stored persistently on the host being

connected; or the information might be received from a human user of the host, such as in

response to prompts for user name and password; or some combination of stored and usersupplied information may be used. The intermediate device runs an authenticator process,
hereinafter called the authenticator. The authenticator sends a request to an authorization,
authentication and accounting ("AAA") system based on the information from the supplicant. ..

The AAA system returns a response indicating whether the connection should succeed or fail.

If the response indicates the connection fails, the intermediate device does not forward data
communicated to the physical port from the host. If the response indicates the connection
succeeds, the intermediate device does forward data communicated to the physical port from
the host..... After obtaining access through the physical port and receiving a configuration, a
client on the user's host may request services from servers on the network using IP.

(Column 14: lines 10-25)

In step 440, a test is performed to determine whether the user is authorized to connect to the network. For example, it is determined whether the response from the authentication and authorization server indicates that the user is both authentic and authorized to connect to the local network. If not, control passes to step 442 to block network traffic through that port and to send a message to the host that network access is rejected. For example, the port is not enabled, and an IEEE 802.1x message that negates acknowledgement (an IEEE 802.1x "NAK" message) is sent to the newly connected host 122. If the test of step 440 determines that the user is authorized to connect to the network, control passes to step 444. In step 444, the physical port is enabled so that network traffic is passed. According to the IEEE 802.1x standard, an acknowledgement message is sent to the newly connected host 122.

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Therefore, the applicant's argument is not persuasive to overcome Renda in view of

Droms to place independent claim 1 in condition for allowance. An independent claim 18 is not

placed in condition for allowance for the same reason. Dependent claims 2-16, 19 and 21-25 are

also not placed in condition for allowanced based on their dependency.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are

such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the

manner in which the invention was made.

5. Claims 1-16, 18-19 and 21-25 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Renda et al. (hereinafter referred to as Renda, US. Pat. No.: 7, 127, 524) in view of Droms

et al. (hereinafter referred to as Droms, US Pat. No.: 7, 143, 435).

As per claim 1:

Renda discloses a method comprising:

Intercepting a request for a web page from a user device (column 3: lines 60-67; column

9: lines 55-67; figure 2A, 2B);

directing the user device with a network login page for authentication (figure 8A: 832,822B;

column 24: lines 50-60; column 25: lines 43-61; column 27: lines 35-50);

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executing an authentication routine to authenticate the user device based on input received at the network login page (column 23: lines 65-67; column 24: lines 1-12; column 25: lines 16-26); and

allowing the user device to access the network when the blocked port is unblocked (column 8: lines 1-35).

Renda does not explicitly disclose the user device connected with a blocked port of a packet forwarding device, the blocked port preventing the user from accessing a network coupled to the forwarding device and sending an unblocked port command to unblock the blocked port when the authentication routing results in a positive authentication response for the user device. Droms, in analogous art, however discloses the user device connected with a blocked port of a packet forwarding device, the blocked port preventing the user from accessing a network coupled to the forwarding device and sending an unblocked port command to unblock the blocked port when the authentication routing results in a positive authentication response for the user device (Column 2: lines 20-37; Column 14: lines 10-25; Column 9: lines 45-65; the authenticator 105 sends a request 224 to the RADIUS server 135 according to IEEE 802.1x. The request 224 includes at least some of the information about the host and user received in the request 222. The RADIUS server then determines whether the user is authentic based on the user information and, if so, whether the authentic user is authorized to connect to the local network. If the user is not authentic or not authorized to connect, a response is sent indicating that authentication fails, according to IEEE 802.1x. In response to a failed authentication, the authenticator causes the switch to block network traffic with the host through the physical port 104b).

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to modify the system disclosed by Renda et al. to include the user device connected with a blocked port of a packet forwarding device, the blocked port preventing

the user from accessing a network coupled to the forwarding device and sending an unblocked

port command to unblock the blocked port when the authentication routing results in a positive

authentication response for the user device. This modification would have been obvious because

a person having ordinary skill in the art would have been motivated to do so to provide a

protocol for controlling access to LAN resources based on a physical port, and with a

configuration server, and with an authentication and authorization server as suggested as

suggested by Droms in (column 6: lines 25-35).

As per claim 2:

Renda discloses a method, wherein intercepting a request from the user device comprises intercepting a Hypertext Transfer Protocol (HTTP) request from the user device (column 12:

lines 17-33; column 23: lines 34-65; column 18: lines 1-20).

As per claim 3:

Renda discloses a method, comprising receiving a Domain Name Service (DNS) request to translate a domain name specified in the HTTP request into an Internet Protocol (IP) address (column 4: lines 1-50; column 14: lines 45-55; column 12: lines 56-65).

As per claim 4:

Renda discloses a method, comprising proxying the DNS request to a DNS server (column 7: lines 45-60).

As per claim 5:

Renda discloses a method, comprising receiving a response from the DNS server with a DNS-resolved IP address (column 7: lines 45-60; column 43: lines 35-55).

As per claim 6:

Renda discloses a method, comprising sending the DNS-resolved IP address to the user device (column 7: lines 45-60; column 43: lines 35-55).

As per claim 7:

Renda discloses a method, comprising intercepting a request from the user device directed to the DNS-resolved IP address (column 7: lines 45-60; column 43: lines 35-55).

As per claim 8:

Renda discloses a method, wherein directing the user device to a network login page for authentication comprises responding to the user device with a redirect to a Uniform Resource Locator (URL) address for the network login page (column 12: lines 17-33; column 23: lines 34-65; column 18: lines 1-20).

As per claim 9:

Renda discloses a method, comprising receiving a DNS request from the user device to translate a domain name for the network login page into an IP address (column 4: lines 1-50; column 14: lines 45-55; column 12: lines 56-65).

As per claim 10:

Renda discloses a method, comprising responding to the user device with the IP address of the packet forwarding device (figure 8A: 832, 822B; column 24: lines 50-60; column 25: lines 43-61; column 27: lines 35-50).

As per claim 11:

Renda discloses a method, comprising receiving from the user device a request to the 1P address of the packet forwarding device (column 3: lines 60-67; column 9: lines 55-67; figure 2A, 2B).

As per claim 12:

Renda discloses a method, comprising responding to the user device with the network login page (column 23: lines 65-67; column 24: lines 1-12; column 25: lines 16-26).

As per claim 13:

Renda discloses a method, comprising receiving an authentication request from the user device via the network login page, the authentication request comprising user identification user identification data (column 23: lines 65-67; column 24: lines 1-12; column 25: lines 16-26).

As per claim 14:

Renda discloses a method, wherein executing the authentication routine to authenticate

the user device based on input received at the network login page comprises parsing the

authentication request and forwarding the authentication request to an authentication server

(column 26: lines 5-40).

As per claim 15:

Renda discloses a method, wherein parsing the authentication request and forwarding the

authentication request to the authentication server comprises creating a packet with the user

identification data in accordance with the RADIUS communications protocol and forwarding 4

the RADIUS packet to a RADIUS server (column 26: lines 5-40; column 24: lines 50-67).

As per claim 16:

Renda discloses a method, comprising receiving a response from the RADIUS server to

indicate whether the user identification data is authentic (column 26: lines 5-40; column 24: lines

50-67).

As per claim 17:

Renda discloses a method, wherein allowing the user to access the network when the user

is authenticated comprises unblocking the blocked port of the packet forwarding device to allow

the user to access the network when the user is authenticated (column 8: lines 1-35).

As per claim 18:

Renda discloses an apparatus comprising:

a packet forwarding device coupled with a network, (column 3: lines 60-67; column 9:

lines 55-67; figure 2A, 2B; figure 8A: 832, 822B; column 24: lines 50-60; column

25: lines 43-61; column 27: lines 35-50); and

an authenticator discovery controller coupled with the packet forwarding device, the

authenticator discovery controller to intercept a request for a web page from the

user device direct the user device to a network login page for authentication, the

authentication controller (column 23: lines 65-67; column 24: lines 1-12; column

25: lines 16-26; column 8: lines 1-35).

executing an authentication routine to authenticate the user device based on input

received at the network login page (column 23: lines 65-67; column 24: lines 1-

12; column 25: lines 16-26; column 8: lines 1-35), and

Send an unblocked port command to unblock the blocked port, when the authentication

routine result in a positive authentication response for the user device.

Renda does not explicitly disclose the user device connected with a blocked port of a

packet forwarding device, the blocked port preventing the user from accessing a network coupled

to the forwarding device and sending an unblocked port command to unblock the blocked port.

Droms, in analogous art, however discloses the user device connected with a blocked port of a

packet forwarding device, the blocked port preventing the user from accessing a network coupled

to the forwarding device and sending an unblocked port command to unblock the blocked port (Column 2: lines 20-37; Column 14: lines 10-25; Column 9: lines 45-65; the authenticator 105 sends a request 224 to the RADIUS server 135 according to IEEE 802.1x. The request 224 includes at least some of the information about the host and user received in the request 222. The RADIUS server then determines whether the user is authentic based on the user information and, if so, whether the authentic user is authorized to connect to the local network. If the user is not authentic or not authorized to connect, a response is sent indicating that authentication fails, according to IEEE 802.1x. In response to a failed authentication, the authenticator causes the switch to block network traffic with the host through the physical port 104b). Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to modify the system disclosed by Renda et al. to include the user device connected with a blocked port of a packet forwarding device, the blocked port preventing the user from accessing a network coupled to the forwarding device and sending an unblocked port command to unblock the blocked port. This modification would have been obvious because a person having ordinary skill in the art would have been motivated to do so to provide a protocol for controlling access to LAN resources based on a physical port, and with a configuration server, and with an authentication and authorization server as suggested as suggested by Droms in (column 6: lines 25-35).

As per claim 19:

Renda discloses an apparatus, comprising when the authenticating routine to authenticate the user device based on input received at the network login page comprises sending the input

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received to network login controller coupled with the packet forwarding device to authenticate

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the user device based on input received and send the positive authentication response to the

authenticator discovery controller when the user device is successfully authenticated (figure 2B:

274, 292).

As per claim 21:

Renda discloses an apparatus, wherein the unblocked port command to unblock the

blocked port originates at the network login controller (column 8: lines 1-35).

As per claim 22:

Renda discloses an apparatus, wherein the authenticator discovery controller to further

receive a Domain Name Service (DNS) request from the user device and to proxy the DNS

request to a DNS server to translate a domain name into an Internet Protocol (IP) address

(column 4: lines 1-50; column 14: lines 45-55; column 12: lines 56-65).

As per claim 23:

Renda discloses an apparatus, wherein the packet forwarding device is a switch (column

16: lines 25-40).

As per claim 24:

Droms discloses a method, wherein the blocked port comprises a default state, the default state characterized as operating in a non-forwarding, un-authorized, and blocked functionality mode (Column 2: lines 20-37; Column 14: lines 10-25).

As per claim 25:

Droms discloses a method, wherein the blocked port returns to the default state after one or more events including:

a pre-determined period of inactivity by the authenticated user device is exceeded; a reset signal is received from a network login controller; an administrator forces the blocked port back to its default state; a network connection associated with the authenticated user device is disconnected; and a user of the authenticated user device logs off of the authenticated user device (Column 9: lines 45-65).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

See the notice of reference cited in form PTO-892 for additional prior art

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

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MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

Contact Information

8. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Techane J. Gergiso whose telephone number is (571) 272-3784

and fax number is (571) 273-3784. The examiner can normally be reached on 9:00am - 6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization

where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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/T. J. G./

Examiner, Art Unit 2137

/Emmanuel L. Moise/

Supervisory Patent Examiner, Art Unit 2137